

**UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF TEXAS
WACO DIVISION**

INNOBRILLIANCE, LLC,

Plaintiff

v.

SAMSUNG ELECTRONICS CO, LTD

Defendant

Case No. 6:21-cv-00227

JURY TRIAL DEMANDED

COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff InnoBrilliance, LLC (“InnoBrilliance” or “Plaintiff”) files this Complaint for patent infringement against Samsung Electronics Co. Ltd. (“Defendant”), and alleges as follows:

NATURE OF THE ACTION

1. This is an action for patent infringement arising under 35 U.S.C. § 1 et seq.

PARTIES

2. InnoBrilliance is a limited liability company organized and existing under the laws of the State of Texas with its principal place of business in Waco, Texas.

3. Upon information and belief, Samsung Electronics Co., Ltd. is a foreign corporation organized and existing under the laws of Korea with its principal place of business at 129, Samsung-Ro, Yeongtong-Gu, Gyeonggi, 16677, Republic of Korea.

JURISDICTION AND VENUE

4. This Court has original jurisdiction over the subject matter of this action pursuant to 28 U.S.C. §§ 1331 and 1338(a).

5. This Court has personal jurisdiction over Defendant because, among other things, Defendant has committed, aided, abetted, contributed to and/or participated in the commission of patent infringement in violation of 35 U.S.C. § 271 in this judicial district and elsewhere that led to harm and injury to Plaintiff.

6. Venue is proper in this District under 28 U.S.C. § 1400 because Defendant has committed acts of infringement and has regular and established places of business in this judicial district.

OVERVIEW OF THE ACCUSED PRODUCT

7. Defendant has marketed, sold, distributed, and provided for its customers the Samsung series of Smart TVs, such as the Samsung 65" Class 7 Series LED 4K UHD Smart Tizen TV (the "Accused Product") available for sale at Best Buy in Waco, Texas.



8. The Accused Product includes preinstalled apps, including MLB.TV.

9. The following illustrates usage, functions, and operation of the Accused Product:

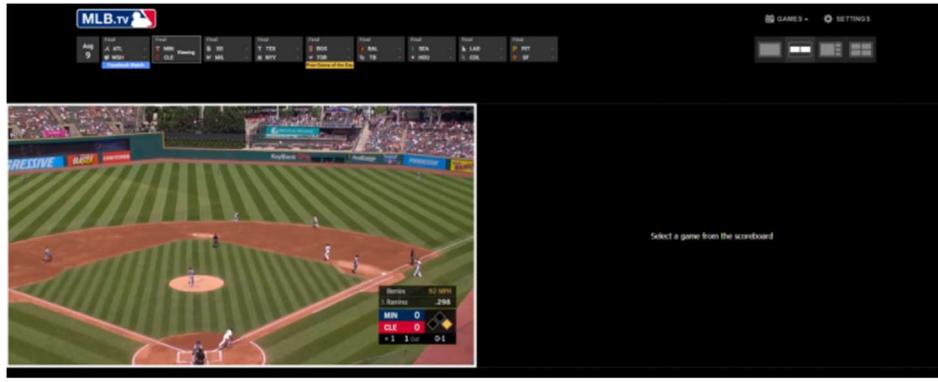
MLB.TV Help Center

How to Use Multi-view

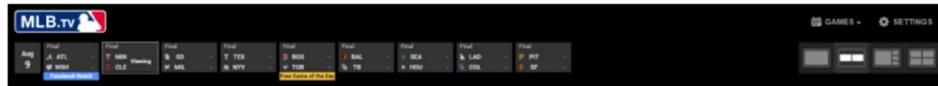
1. To access Multi-view, first launch a game from <https://www.mlbtv.com/live-stream-games/>.
2. Once a game has been launched, click "Games" above the game video. On the right of the calendar of games, you will see the 4 different viewing options. The viewing options are Single, Dual, Thumbnail and Quad.



3. Select your viewing preference. The web player will adjust to your selection.



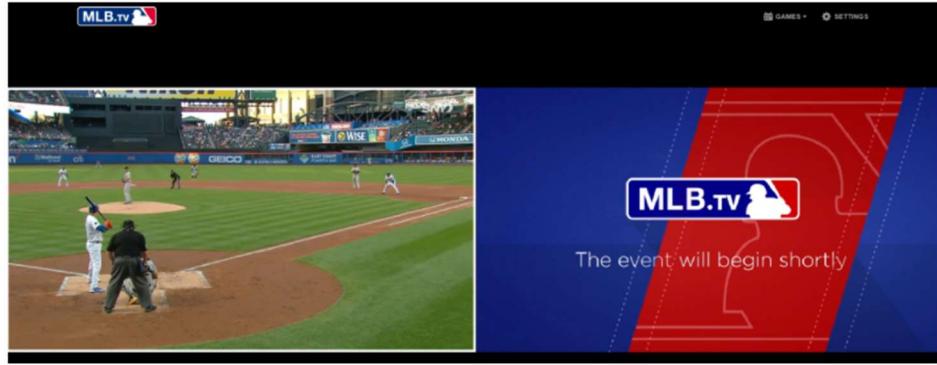
4. To select additional games, click "Games" on the top right of the web player. Select the other game(s) from the calendar.



5. In Single view, one game will play in the web player.



6. In Dual view, two games play side-by-side.



7. In Thumbnail view, there is a large video on the left, and three smaller videos on the right. Audio will play from the largest video, on the left side.



8. In Quad view, four games play. Unlike Thumbnail view, all videos are the same size.

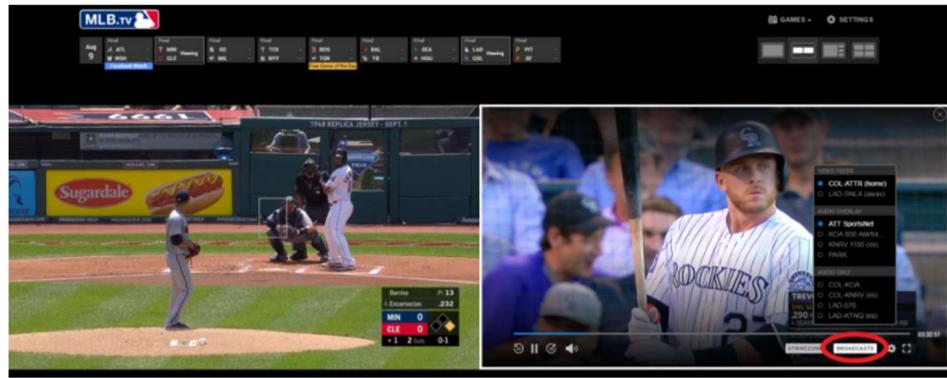


9. In all viewing options, you can click on a game to receive audio from that game. The white border indicates which game feed you are listening to. In Thumbnail view, clicking a different game will bring it to the larger view.

10. For all viewing options, you can close a game you've selected. To do so, hover over the game, then click the X on the top right of the video.



11. To change the broadcast of any game in Multi-view, select the game window, then click "Broadcasts."



<https://www.mlb.com/live-stream-games/help-center/subscription-access-how-to-use-multi-view#:~:text=To%20access%20Multi%2Dview%2C%20first,%2C%20Dual%2C%20Thumbnail%20and%20Quad>

10. With respect to usage of the Accused Product, by itself, its customers, or other users of the system, the Defendant controlled the operation and use of the Accused Product

COUNT I
(Infringement of U.S. Patent No. 8,925,010)

11. InnoBrilliance incorporates the above paragraphs as though fully set forth herein.

12. Plaintiff is the owner, by assignment, of U.S. Patent No. 8,925,010 (the "010 Patent"), entitled METHOD AND SYSTEM FOR TELEVISION CHANNEL GROUP, which issued on December 30, 2014. A copy of the '010 Patent is attached as Exhibit PX-010.

13. The '010 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.

14. Defendant has been and is now infringing one or more claims of the '010 Patent under 35 U.S.C. § 271 by making, using, offering for sale, importing, and/or selling the Accused Product in the United States without authority.

15. Defendant has also infringed the '010 Patent by encouraging users of the Accused Product to use the Accused Product to practice at least one of the claims of the '010 Patent. Defendant has notice of the '010 Patent at least as of the date of service of this complaint.

16. Claim 1 recites:

1. A television system comprising:
 - an input interface for receiving video data from a plurality of video streams and transferring the video data to a frame controller in communication with a television display;
 - the frame controller causing the video data from each of the

plurality of different video streams to be displayed in a separate frame on the television display, each frame occupying an area of the television display separate from an area occupied by any other frame, and at least two of the frames being of different sizes;

the frame controller for receiving a user selection of a channel group comprising a plurality of channels, each channel of the channel group comprising at least one serially-available video stream sharing at least one common attribute;

in response to the user selection, the frame controller further causing display of two or more channels of the channel group, each fully contained within one of the separate frames on the television display;

the frame controller further receiving a user instruction to change the display in a given frame on the television display to a given channel of the channel group, wherein the given channel is not currently displayed on the television display; and

in response to the user instruction, the frame controller further causing the display of the given channel in the given frame.

17. Defendant's actions and activities as described herein infringe at least claim 1 of the '010 Patent.

18. The Accused Product is a television system.

19. The Accused Product includes an input interface for receiving video data from a plurality of video streams and transferring the video data to a frame controller in communication with a television display.

20. The Accused Product includes a frame controller that causes the video data from each of the plurality of different video streams to be displayed in a separate frame on the television display, each frame occupying an area of the television display separate from an area occupied by any other frame, and at least two of the frames being of different sizes.

21. The Accused Product includes a frame controller for receiving a user selection of a channel group comprising a plurality of channels, each channel of the channel group comprising at least one serially-available video stream sharing at least one common attribute.

22. The Accused Product includes a frame controller that causes a display of two or more channels of the channel group, each fully contained within one of the separate frames on the television display.

23. The Accused Product includes a frame controller that receives a user instruction to change the display in a given frame on the television display to a given channel of the channel group, wherein the given channel is not currently displayed on the television display.

24. The Accused Product includes a frame controller that causes, in response to the user instruction, the display of the given channel in the given frame.

25. InnoBrilliance has been damaged by Defendant's infringing activities.

COUNT II
(Infringement of U.S. Patent No. 9,247,299)

26. InnoBrilliance incorporates the above paragraphs as though fully set forth herein.

27. Plaintiff is the owner, by assignment, of U.S. Patent No. 9,247,299 (the "299 Patent"), entitled METHOD AND SYSTEM FOR TELEVISION CHANNEL GROUP, which issued on January 26, 2016. A copy of the '299 Patent is attached as Exhibit PX-299.

28. The '299 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.

29. Defendant has been and is now infringing one or more claims of the '299 Patent under 35 U.S.C. § 271 by making, using, offering for sale, importing and/or selling the Accused Product in the United States without authority.

30. Defendant has also infringed the '299 Patent by encouraging users of the Accused Product to use the Accused Product to practice the claims of the '299 Patent. Defendant has notice of the '299 Patent at least as of the date of service of this complaint.

31. Claim 1 recites:

1. A television system, comprising:

an input interface for receiving video data from a plurality of

video streams; and

a frame controller causing the video data to be displayed in a plurality of pictures on a display coupled to the television system, each picture occupying an area of the display separate from an area occupied by any other picture, the frame controller further:

receives a first user selection to display a video group related to an attribute, the video group comprising at least a first video stream and a second video stream of the plurality of video streams;

receives the first and the second video streams of the video group from the input interface;

displays the first and the second video streams in a first picture and a second picture of the plurality of pictures;

receives a second user selection to change the display in a given picture of the plurality of pictures to a given video stream of the video group, wherein the given video stream is not currently displayed on the display; and

displays the given video stream in the given picture.

32. Defendant's actions and activities as described herein infringe at least claim 1 of the '299 Patent.

33. The Accused Product is a television system.

34. The Accused Product includes an input interface for receiving video data from a plurality of video streams.

35. The Accused Product includes a frame controller that causes the video data to be displayed in a plurality of pictures on a display coupled to the television system, each picture occupying an area of the display separate from an area occupied by any other picture, the frame controller further.

36. The Accused Product receives a first user selection to display a video group related to an attribute, the video group comprising at least a first video stream and a second video stream of the plurality of video streams.

37. The Accused Product receives the first and the second video streams of the video group from the input interface.

38. The Accused Product displays the first and the second video streams in a first picture and a second picture of the plurality of pictures.

39. The Accused Product receives a second user selection to change the display in a given picture of the plurality of pictures to a given video stream of the video group, wherein the given video stream is not currently displayed on the display.

40. The Accused Product displays the given video stream in the given picture.

41. InnoBrilliance has been damaged by Defendant's infringing activities.

COUNT III
(Infringement of U.S. Patent No. 9,319,619)

42. InnoBrilliance incorporates the above paragraphs as though fully set forth herein.

43. Plaintiff is the owner, by assignment, of U.S. Patent No. 9,319,619 (the “619 Patent”), entitled METHOD AND SYSTEM FOR PRESENTING MULTIPLE PICTURES ON A TELEVISION, which issued on April 19, 2016. A copy of the ’619 Patent is attached as Exhibit PX-619.

44. The ’619 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.

45. Defendant has been and is now infringing one or more claims of the ’619 Patent under 35 U.S.C. § 271 by making, using, offering for sale, importing and/or selling the Accused Product in the United States without authority.

46. Defendant has also infringed the ’619 Patent by encouraging users of the Accused Product to use the Accused Product to practice the claims of the ’619 Patent. Defendant has notice of the ’619 Patent at least as of the date of service of this complaint.

47. Claim 1 recites:

1. A television system, comprising:
 - a first input interface for receiving a plurality of video streams and for transferring the plurality of video streams to a frame controller, wherein each of the plurality of video streams correspond to a different video channel;
 - a second input interface for receiving a command from a control device;

the frame controller causing each of the plurality of received video

streams to be simultaneously displayed in corresponding separate, non-overlapping frames on a display, each frame occupying an area of the display separate from an area occupied by any other frame, wherein the non-overlapping frames comprise at least:

- a first frame displaying a first video stream, wherein the displaying of the first video stream comprises displaying first video data and playing first audio data of the first video stream;
 - a second frame smaller in size than the first frame, the second frame displaying a second video stream different from the first video stream, wherein the displaying of the second video stream comprises displaying second video data of the second video stream and not playing second audio data of the second video stream; and
 - a third frame smaller in size than the first frame, the third frame displaying a third video stream different from the first and second video streams, wherein the displaying of the third video stream comprises displaying third video data of the third video stream and not playing third audio data of the third video stream; and
- the frame controller further, based on the command, causing the

display of the first and second video streams in the first and second frames to be modified, wherein the modified display of the first video stream comprises displaying the first video data of the first video stream in the second frame and not playing the first audio data of the first video stream, wherein the modified display of the second video stream comprises displaying the second video data in the first frame and playing the second audio data of the second video stream.

48. More particularly, Defendant has infringed and continues to infringe at least claim 1 of the '619 Patent.

49. The Accused Product is a television system.

50. The Accused Product includes a first input interface for receiving a plurality of video streams and for transferring the plurality of video streams to a frame controller, wherein each of the plurality of video streams correspond to a different video channel.

51. The Accused Product includes a second input interface for receiving a command from a control device.

52. The Accused Product includes a frame controller that causes each of the plurality of received video streams to be simultaneously displayed in corresponding separate, non-overlapping frames on a display, each frame occupying an area of the display separate from an area occupied by any other frame.

53. The non-overlapping frames include at least a first frame displaying a first video stream, wherein the displaying of the first video stream comprises displaying first video data and playing first audio data of the first video stream, a second frame smaller in size than the first frame, the second frame displaying a second video stream different from the first video stream, wherein the displaying of the second video stream comprises displaying second video data of the second video stream and not playing second audio data of the second video stream, and a third frame smaller in size than the first frame, the third frame displaying a third video stream different from the first and second video streams, wherein the displaying of the third video stream comprises displaying third video data of the third video stream and not playing third audio data of the third video stream.

54. The Accused Product includes a frame controller further that causes the display of the first and second video streams in the first and second frames to be modified, wherein the modified display of the first video stream comprises displaying the first video data of the first video stream in the second frame and not playing the first audio data of the first video stream, wherein the modified display of the second video stream comprises displaying the second video data in the first frame and playing the second audio data of the second video stream.

55. InnoBrilliance has been damaged by Defendant's infringing activities.

COUNT IV
(Infringement of U.S. Patent No. 10,148,902)

56. InnoBrilliance incorporates the above paragraphs as though fully set forth herein.

57. Plaintiff is the owner, by assignment, of U.S. Patent No. 10,148,902 (the “902 Patent”), entitled METHOD AND SYSTEM FOR PRESENTING MULTIPLE PICTURES ON A TELEVISION, which issued on December 4, 2018. A copy of the ’902 Patent is attached as Exhibit PX-902.

58. The ’902 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.

59. Defendant has been and is now infringing one or more claims of the ’902 Patent under 35 U.S.C. § 271 by making, using, offering for sale, importing, and/or selling the Accused Product in the United States without authority.

60. Defendant has also infringed the ’902 Patent by encouraging users of the Accused Product to use the Accused Product to practice the claims of the ’902 Patent. Defendant has notice of the ’902 Patent at least as of the date of service of this complaint.

61. Claim 1 recites:

1. A television system, comprising:

at least a first input interface configured to receive a plurality of video streams from a plurality of video sources, wherein the plurality of video streams comprises a first video stream from a first video source of the plurality of video sources, a second video stream from a second video source of the plurality of video sources, and a third video stream from a third video source of the plurality of video sources,

wherein the first video stream, the second video stream, and the third video stream are communicated via a common path;

a second input interface configured to receive a change command from a control device;

a frame controller configured to cause each of the first video stream, the second video stream, and the third video stream to be concurrently displayed in corresponding separate, non-overlapping frames on a display, each frame occupying an area of the display separate from an area occupied by any other frame, wherein the non-overlapping frames comprise at least:

a first frame configured to display the first video stream from the first video source;

a second frame different in size than the first frame, the second frame configured to display the second video stream from the second video source; and

a third frame different in size than the first frame, the third frame configured to display the third video stream from the third video source; and

wherein the frame controller is further configured, based on the change command, to:

select the second frame and a fourth video stream from a fourth video source of the plurality of video sources, wherein the fourth video stream is not displayed via the display at a time of receipt of the change command; and cause the fourth video stream to be displayed in the second frame.

62. More particularly, Defendant infringes at least claim 1 of the '902 Patent.

63. The Accused Product is a television system.

64. The Accused Product includes a first input interface configured to receive a plurality of video streams from a plurality of video sources, wherein the plurality of video streams comprises a first video stream from a first video source of the plurality of video sources, a second video stream from a second video source of the plurality of video sources, and a third video stream from a third video source of the plurality of video sources, wherein the first video stream, the second video stream, and the third video stream are communicated via a common path.

65. The Accused Product includes a second input interface configured to receive a change command from a control device.

66. The Accused Product includes a frame controller configured to cause each of the first video stream, the second video stream, and the third video stream to be concurrently displayed in corresponding separate, non-overlapping frames on a display, each frame occupying an area of the display separate from an area occupied by any other frame.

67. The non-overlapping frames include a first frame configured to display the first video stream from the first video source, a second frame different in size than the first frame, the second frame configured to display the second video stream from the second video source, and a third frame different in size than the first frame, the third frame configured to display the third video stream from the third video source.

68. The Accused Product includes a frame controller that is configured, based on the change command, to select the second frame and a fourth video stream from a fourth video source of the plurality of video sources, wherein the fourth video stream is not displayed via the display at a time of receipt of the change command and cause the fourth video stream to be displayed in the second frame.

69. InnoBrilliance has been damaged by Defendant's infringing activities.

COUNT V
(Infringement of U.S. Patent No. 10,623,681)

70. InnoBrilliance incorporates the above paragraphs as though fully set forth herein.

71. Plaintiff is the owner, by assignment, of U.S. Patent No. 10,623,681 (the "681 Patent"), entitled METHOD AND SYSTEM FOR PRESENTING MULTIPLE PICTURES ON A TELEVISION, which issued on April 14, 2020. A copy of the '681 Patent is attached as Exhibit PX-681.

72. The '681 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.

73. Defendant has been and is now infringing one or more claims of the '681 Patent under 35 U.S.C. § 271 by making, using, offering for sale, importing and/or selling the Accused Product in the United States without authority.

74. Defendant has also infringed the '681 Patent by encouraging users of the Accused Product to use the Accused Product to practice the claims of the '681 Patent. Defendant has notice of the '681 Patent at least as of the date of service of this complaint.

75. Claim 1 recites:

1. A device comprising:

an input interface configured to receive a plurality of video streams and to provide the plurality of video streams to a frame controller, wherein each video stream of the plurality of video streams corresponds to a video channel of a plurality of video channels;

the frame controller configured to generate a first frame signal including:

a first subframe signal corresponding to a first video stream of the plurality of video streams;

a second subframe signal corresponding to a second video stream of the plurality of video streams; and

a third subframe signal corresponding to a third video stream of the plurality of video streams;

an output interface configured to output the first frame signal to a display, wherein the first frame signal is configured to cause the display to simultaneously display first video corresponding to the first video stream in a first portion of the display, second video corresponding to the second video stream in a second portion of the display, and third video corresponding to the third video stream in a third portion of the display and to output first audio corresponding to the first video stream, wherein the first portion, the second portion, and the third portion of the display are non-overlapping, and wherein the first portion is larger than the second portion;

the frame controller further configured to generate a second frame signal responsive to receiving a swap command, the second frame signal including:

a fourth subframe signal corresponding to the first video stream of the plurality of video streams;

a fifth subframe signal corresponding to the second video stream of the plurality of video streams; and

a sixth subframe signal corresponding to the third video stream of the plurality of video streams; and

the output interface further configured to output the second

frame signal to the display, wherein the second frame signal is configured to cause the display to simultaneously display video corresponding to the second video stream in the first portion of the display, video corresponding to the first video stream in the second portion of the display, and video corresponding to the third video stream in the third portion of the display and to output second audio corresponding to the second video stream.

76. Defendant's actions and activities as described herein infringed and continue to infringe at least claim 1 of the '681 Patent.

77. The Accused Product is a device that includes an input interface configured to receive a plurality of video streams and to provide the plurality of video streams to a frame controller, wherein each video stream of the plurality of video streams corresponds to a video channel of a plurality of video channels.

78. The Accused Product includes a frame controller configured to generate a first frame signal including

79. The first frame includes a first subframe signal corresponding to a first video stream of the plurality of video streams.

80. The first frame includes a second subframe signal corresponding to a second video stream of the plurality of video streams.

81. The first frame includes a third subframe signal corresponding to a third video stream of the plurality of video streams.

82. The Accused Product includes an output interface configured to output the first frame signal to a display.

83. The first frame signal is configured to cause the display to simultaneously display first video corresponding to the first video stream in a first portion of the display, second video corresponding to the second video stream in a second portion of the display, and third video corresponding to the third video stream in a third portion of the display and to output first audio corresponding to the first video stream.

84. The first portion, the second portion, and the third portion of the display are non-overlapping, and the first portion is larger than the second portion.

85. The frame controller is configured to generate a second frame signal responsive to receiving a swap command.

86. The second frame signal includes a fourth subframe signal corresponding to the first video stream of the plurality of video streams, a fifth subframe signal corresponding to the second video stream of the plurality of video streams, and a sixth subframe signal corresponding to the third video stream of the plurality of video streams.

87. The Accused Product includes an output interface that is configured to output the second frame signal to the display.

88. The second frame signal is configured to cause the display to simultaneously display video corresponding to the second video stream in the first portion of the display, video corresponding to the first video stream in the second

portion of the display, and video corresponding to the third video stream in the third portion of the display and to output second audio corresponding to the second video stream.

89. InnoBrilliance has been damaged by Defendant's infringing activities.

PRAYER FOR RELIEF

WHEREFORE, Plaintiff respectfully requests the Court enter judgment against Defendant:

1. declaring that the Defendant has infringed the '010, the '299, the '619, the '902, and the '681 Patents;
2. awarding Plaintiff its damages suffered as a result of Defendant's infringement of the '010, the '299, the '619, the '902, and the '681 Patents;
3. awarding Plaintiff its costs, attorneys' fees, expenses, and interest; and
4. granting Plaintiff such further relief as the Court finds appropriate.

JURY DEMAND

Plaintiff demands trial by jury, Under Fed. R. Civ. P. 38.

Dated: March 9, 2021

Respectfully submitted,

/s/ Raymond W. Mort, III

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